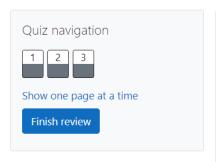
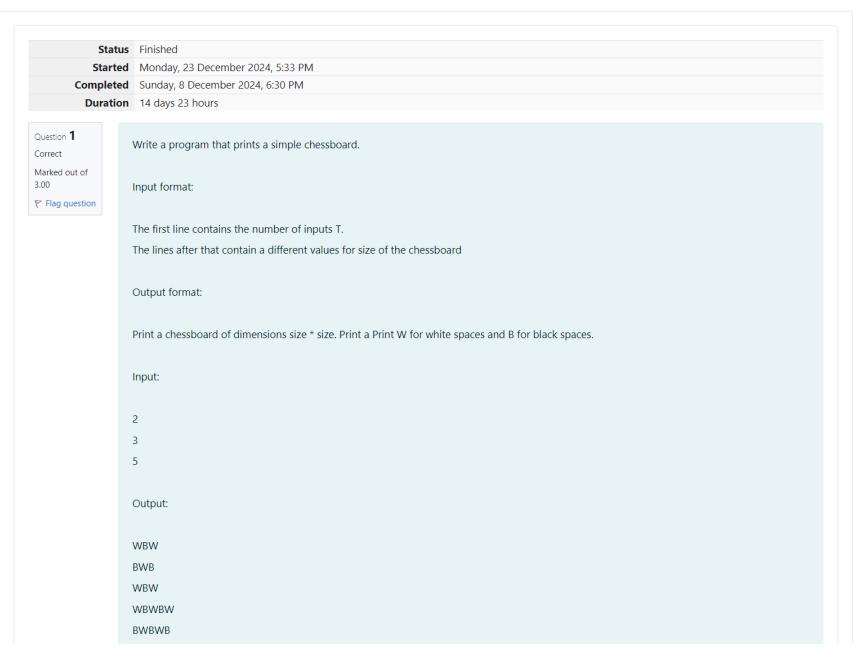
GE23131-Programming Using C-2024





WBWBW BWBWB WBWBW

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
    int main()
 2
3 🔻
      int T,size;
 4
 5
      scanf("%d",&T);
      while(T--)
 6
 7 🔻
        scanf("%d",&size);
 8
        for(int i=0;i<size;i++)</pre>
 9
10
          for(int j=0;j<size;j++)</pre>
11
12 1
13
           if((i+j)%2==0)
14
              printf("W");
15
16
17
            else
18
            printf("B");
19
20
21
            printf("\n");
22
23
24
25
        return 0;
26 }
```

	Input	Expected	Got	
~	2	WBW	WBW	~
	3	BWB	BWB	
	5	WBW	WBW	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	

Passed all tests! <

Let's print a chessboard! Correct Marked out of 5.00 Write a program that takes input: Flag question The first line contains T, the number of test cases Each test case contains an integer N and also the starting character of the chessboard Output Format Print the chessboard as per the given examples Sample Input / Output Input: 2 2 W 3 B Output: WB BW BWB WBW **BWB** Answer: (penalty regime: 0 %) 1 #include<stdio.h> int main() 2 3 ₹ { 4 int T; scanf("%d",&T);
while(T--) 5 6 7 ▼ {

int N;

char starchar;

scanf("%d %c",&N,&starchar);
char firstchar=starchar;

8 9

10 11

```
12
       char secondchar=(starchar=='B')?'W':'B';
       for(int i=0;i<N;i++)</pre>
13
14
         for(int j=0;j<N;j++)</pre>
15
16
           if((i+j)%2==0)
17
18
                printf("%c",firstchar);
19
20
21
            else
22
                printf("%c", secondchar);
23
24
25
         printf("\n");
26
27
28
29
    return 0;
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
```

	Input	Expected	Got	
~	2	WB	WB	~
	2 W	BW	BW	
	3 B	BWB	BWB	
		WBW	WBW	
		BWB	BWB	

Passed all tests! <

Question **3**

Correct

Marked out of

Decode the logic and print the Pattern that corresponds to given input.

7.00	If N= 3
▼ Flag question	
	then pattern will be :
	10203010011012
	**4050809
	****607
	If N= 4, then pattern will be:
	1020304017018019020
	**50607014015016
	****809012013
	*****10011
	Constraints
	2 <= N <= 100
	Input Format
	input i offinat
	First line contains T, the number of test cases
	Each test case contains a single integer N
	Output
	First line print Case #i where i is the test case number
	In the subsequent line, print the pattern
	Test Case 1
	3
	3
	4
	5

```
Output
Case #1
10203010011012
**4050809
****607
Case #2
1020304017018019020
**50607014015016
****809012013
*****10011
Case #3
102030405026027028029030
**6070809022023024025
****10011012019020021
*****13014017018
******15016
Answer: (penalty regime: 0 %)
      #include <stdio.h>
   2
      int main()
   3 ▼ {
          int t,n,x,y,z=1,i,ans,c;
   4
   5
          scanf("%d",&t);
          while(z<=t)
   6
   7
              scanf("%d",&n);
   8
   9
              printf("Case #%d\n",z);
  10
              y=1;i=1;c=0;
  11
              while(y<=n)
  12
  13
                  x=1;
  14
                  ans=(n*n);
  15
                  ans=ans-c;
  16
                  while(x<=2*n)</pre>
  17
  18
                      if(x<=n)
  19
  20
                          if(x<y)</pre>
                          printf("**");
  21
  22
                          else if(x<=n)
  23
                              nrintf("%d".i*10):
```

```
25
                         i++;
26
27
28
                  else
29
                     if((x+y)==(2*n+1))
30
31
                         printf("%d",(ans+y));
32
33
                         ans ++;
34
                         c ++;
35
                      else if(x+y<=(2*n+1))
36
37
                         printf("%d",(ans+y)*10);
38
39
                         ans ++;
40
                         C ++;
41
42
43
                  x ++;
44
45
              y ++;
46
              printf("\n");
47
48
          Z ++;
49
50
       return 0;
51
52
```

	Input	Expected	Got	
~	3	Case #1	Case #1	~
	3	10203010011012	10203010011012	
	4	**4050809	**4050809	
	5	****607	****607	
		Case #2	Case #2	
		1020304017018019020	1020304017018019020	
		**50607014015016	**50607014015016	
		****809012013	****809012013	
		*****10011	*****10011	
		Case #3	Case #3	
		102030405026027028029030	102030405026027028029030	
		**6070809022023024025	**6070809022023024025	
		****10011012019020021	****10011012019020021	
		*****13014017018	*****13014017018	
		*******15016	******15016	

Passed all tests! ✓